

PAT-NO: 3802000/3113662
DOCUMENT-IDENTIFIER: JI- 2000311701 A
TITLE: CYLINDRICAL LITHIUM ION BATTERY

Abstract Text - PVAN (2):

SOLUTION: This cylindrical lithium ion battery incorporates an electrode winding group wound with a positive electrode, a negative electrode and a separator in a cylindrical battery container, a connection part for connecting the electrode winding group to each electrode terminal, and an electrolytic liquid, and has an internal pressure reduction mechanism to discharge gas in response to the rise of an internal pressure of the battery container. The positive electrode is applied with an active material mix containing lithium nonanese compound oxide. A solvent of the electrolytic liquid is a mixture solvent containing at least ethylene carbonate, dimethyl carbonate and diethyl carbonate wherein ethylene carbonate is not less than 30% in mixed volume ratio. A solute of the electrolytic liquid is lithium hexafluorophosphate (LiPF₆). Concentration of the electrolytic liquid after the solute is dissolved is not more than 1.5 mol/liter. Vinylene carbonate of not less than 0.5% is added to the electrolytic liquid.

